

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P847333

Luminaire Tested: **GLAN-SB3B-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14380 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

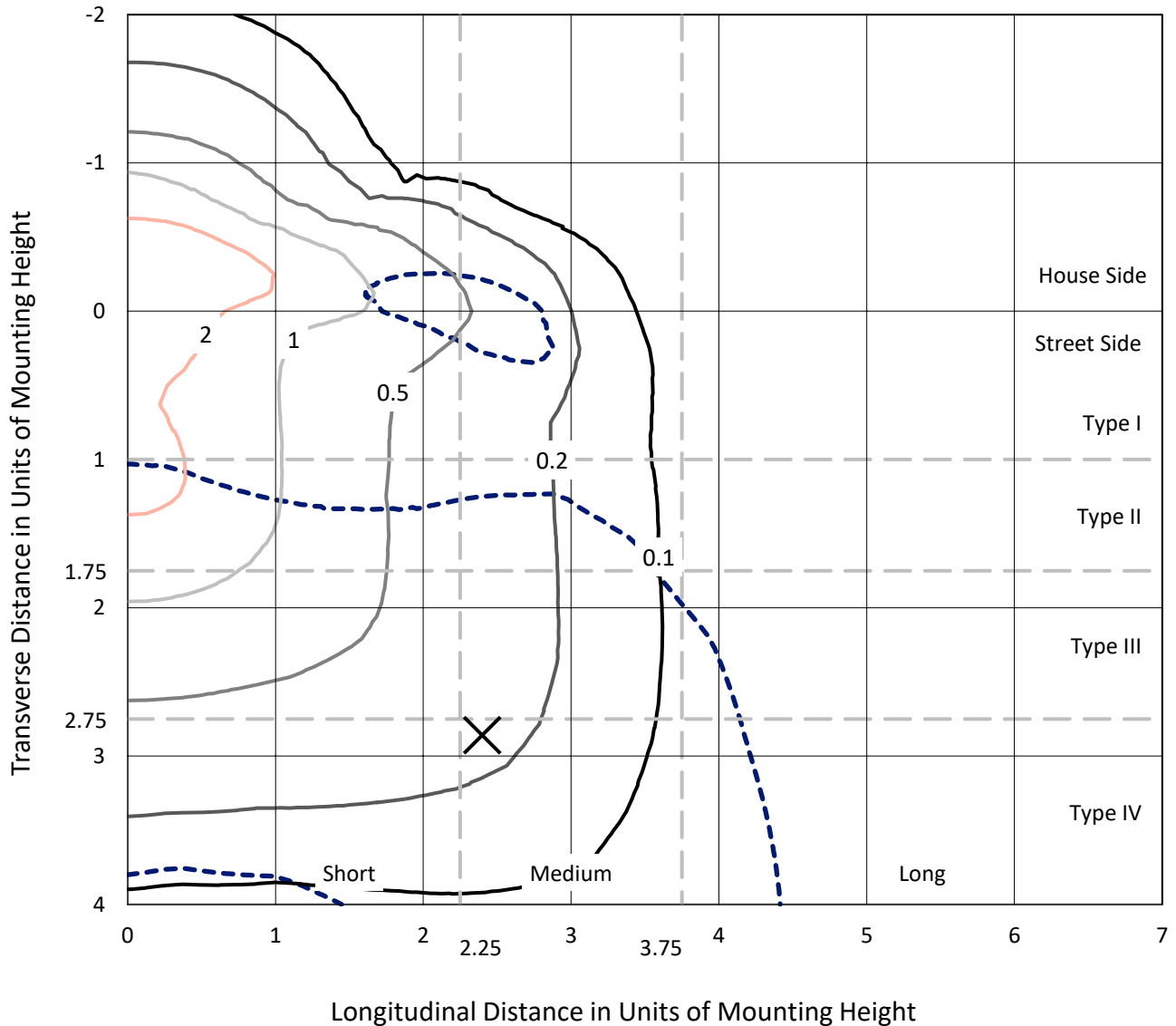
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

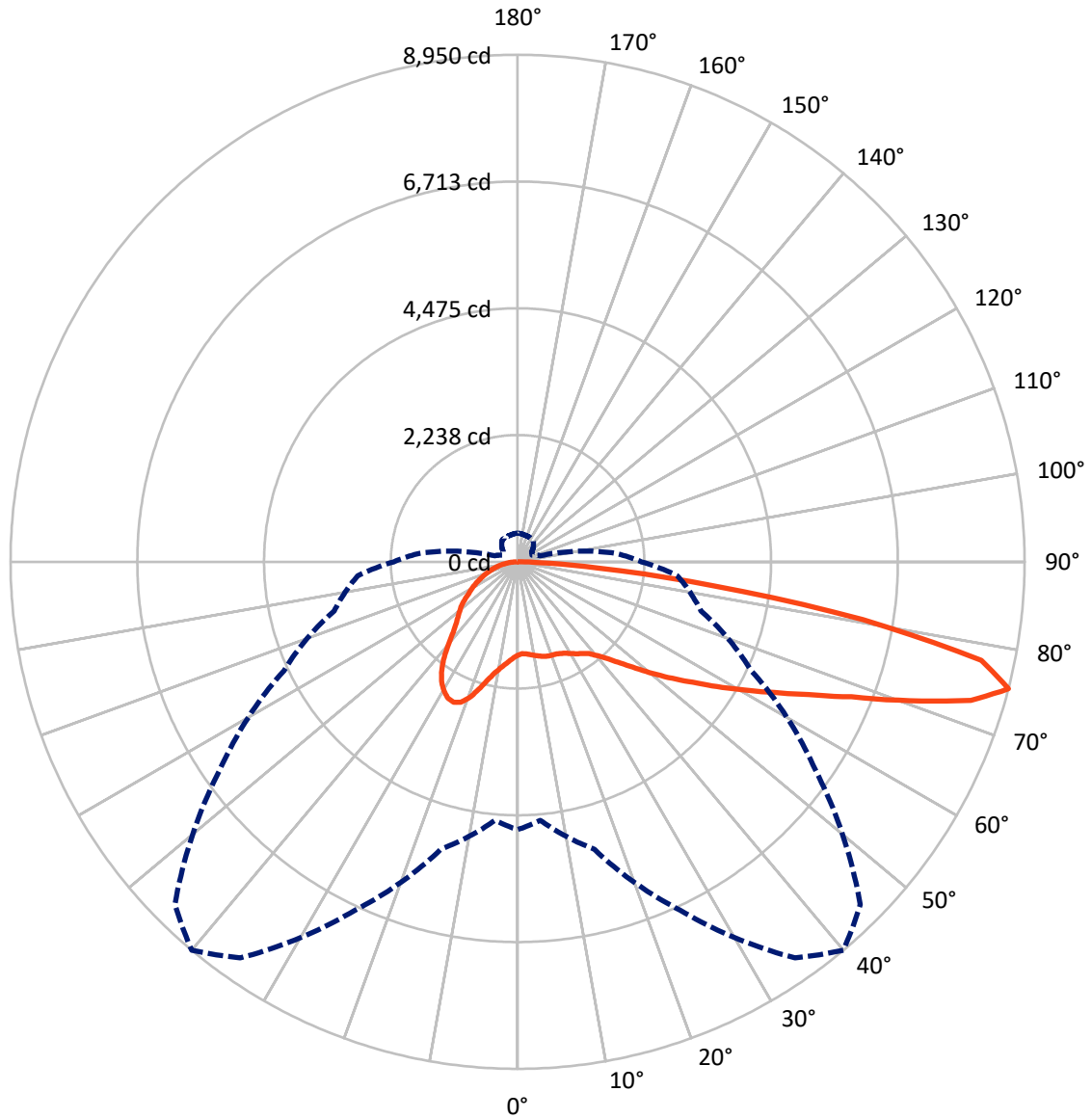
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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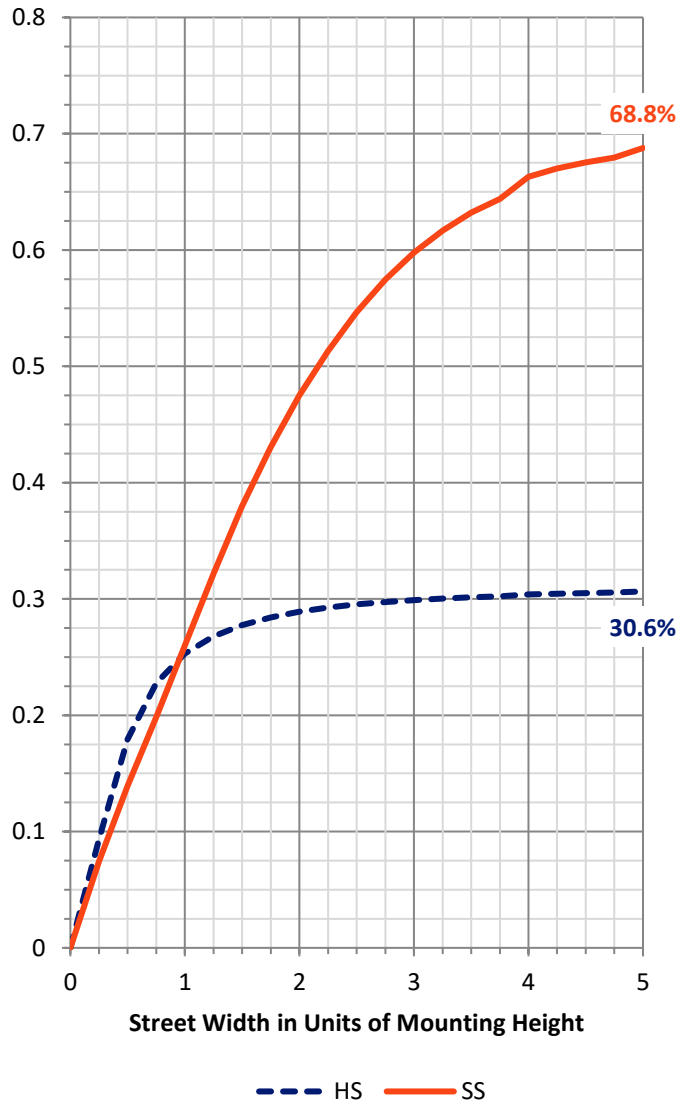
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4455.4	0.0	4455.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	9924.6	0.0	9924.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	14380.0	0.0	14380.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.1	1.1
10°-20°	551.1	3.8
20°-30°	1006.2	7.0
30°-40°	1427.1	9.9
40°-50°	1927.1	13.4
50°-60°	2592.4	18.0
60°-70°	3290.4	22.9
70°-80°	2986.2	20.8
80°-90°	435.3	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14380.0	100.0
0°-180°	14380.0	100.0

**Coefficient of Utilization**

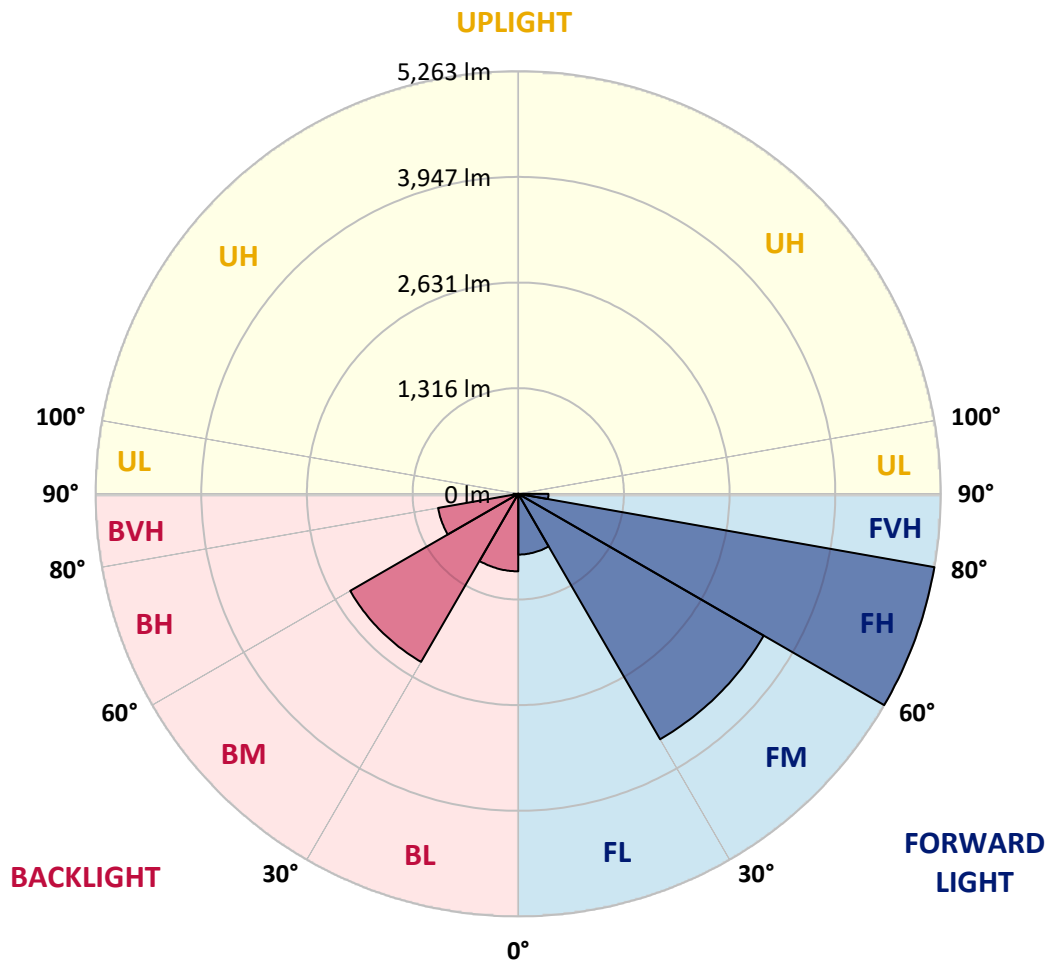


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.4	5.3			
FM (30°-60°)	3530.0	24.5			
FH (60°-80°)	5262.9	36.6			G3/7500
FVH (80°-90°)	375.4	2.6			G3/500
BL (0°-30°)	965.1	6.7	B2/1000		
BM (30°-60°)	2416.7	16.8	B2/2500		
BH (60°-80°)	1013.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	59.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4
2.5°	1619.2	1628.4	1626.1	1623.0	1623.0	1623.8	1623.0	1628.4	1633.7	1639.0
5°	1636.0	1645.1	1640.6	1636.7	1633.7	1632.9	1630.6	1629.9	1632.9	1639.8
7.5°	1668.8	1677.9	1671.1	1664.2	1658.1	1655.0	1652.0	1647.4	1645.1	1648.9
10°	1705.4	1714.5	1706.2	1693.9	1684.0	1680.2	1677.2	1672.6	1669.5	1671.8
12.5°	1742.0	1751.1	1739.7	1722.9	1710.0	1707.7	1703.9	1702.3	1701.6	1700.8
15°	1776.3	1783.9	1769.5	1749.6	1735.9	1732.1	1728.3	1730.6	1734.4	1738.9
17.5°	1803.0	1810.6	1789.3	1763.4	1750.4	1748.9	1746.6	1754.2	1764.9	1776.3
20°	1827.4	1835.0	1807.6	1772.5	1757.3	1757.3	1758.0	1774.0	1789.3	1806.1
22.5°	1861.7	1867.8	1834.3	1786.2	1764.1	1765.6	1771.7	1787.8	1806.8	1829.7
25°	1912.8	1917.4	1876.2	1812.2	1787.0	1791.6	1796.9	1804.5	1822.8	1849.5
27.5°	1995.2	1999.0	1944.9	1857.9	1819.8	1827.4	1835.0	1829.7	1838.1	1861.0
30°	2111.1	2113.4	2044.8	1929.6	1875.5	1879.3	1880.8	1858.7	1842.7	1861.0
32.5°	2248.4	2247.7	2166.1	2016.6	1938.8	1935.0	1922.0	1878.5	1841.1	1857.2
35°	2461.2	2452.8	2347.6	2138.6	2010.5	1986.8	1956.3	1900.6	1848.8	1853.4
37.5°	2813.6	2787.7	2642.0	2338.4	2117.2	2057.0	2012.0	1936.5	1865.6	1851.8
40°	3210.9	3178.2	3018.0	2612.2	2277.4	2180.5	2108.1	1987.6	1893.0	1858.7
42.5°	3682.3	3635.8	3463.4	2934.9	2480.3	2340.0	2230.9	2052.4	1933.4	1880.8
45°	4261.2	4199.4	3955.3	3298.7	2735.8	2548.9	2403.3	2150.8	1995.2	1923.5
47.5°	4846.2	4861.4	4514.4	3715.1	3042.4	2806.7	2619.1	2298.8	2085.2	1992.2
50°	5467.8	5478.4	5070.4	4176.5	3390.2	3098.1	2861.6	2464.3	2210.3	2089.8
52.5°	5952.8	5954.4	5575.3	4659.3	3752.5	3418.4	3123.2	2653.4	2355.2	2219.4
55°	6256.4	6252.6	5929.2	5116.2	4168.9	3754.8	3413.1	2868.5	2532.2	2372.0
57.5°	6476.8	6465.4	6173.3	5509.0	4612.8	4152.1	3741.0	3112.6	2741.1	2553.5
60°	6560.7	6553.8	6338.8	5848.4	5079.6	4591.4	4119.3	3385.6	2978.3	2767.8
62.5°	6592.7	6605.7	6501.2	6177.1	5579.1	5078.0	4535.0	3712.0	3245.3	3010.4
65°	6705.6	6729.3	6707.9	6607.2	6143.5	5647.8	5086.4	4100.3	3536.6	3270.4
67.5°	6929.1	6952.7	6961.9	7122.1	6833.0	6357.8	5774.4	4583.8	3877.5	3540.4
70°	6923.8	6916.9	7078.6	7531.6	7696.4	7340.9	6701.8	5178.7	4284.1	3764.7
72.5°	6302.2	6247.2	6629.4	7527.0	8414.8	8367.5	7834.4	5946.0	4634.9	3792.1
75°	4728.0	4581.5	5256.5	6783.4	8534.6	8950.2	8554.4	6421.9	4551.8	3350.5
77.5°	2021.9	1874.7	2670.2	5021.6	7638.4	8366.8	7893.9	5602.8	3633.5	2215.6
80°	529.3	528.5	806.9	2276.6	5194.7	6178.6	5420.5	3618.2	2076.1	791.7
82.5°	218.9	213.6	296.7	885.5	2538.3	3467.2	2829.6	1613.9	749.7	214.3
85°	81.6	80.8	144.1	305.8	895.4	1430.1	1035.0	412.6	186.9	104.5
87.5°	22.9	22.1	31.3	106.0	218.1	331.0	176.9	67.9	52.6	41.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1644.4	0°	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4	1644.4
1647.4	2.5°	1649.7	1653.5	1660.4	1665.7	1672.6	1680.2	1690.9	1697.8	1704.6	1709.2
1651.2	5°	1656.6	1665.0	1682.5	1700.0	1720.6	1739.7	1761.8	1777.8	1790.8	1794.6
1665.0	7.5°	1671.8	1685.6	1715.3	1745.0	1777.8	1809.1	1841.1	1868.6	1890.7	1899.1
1689.4	10°	1698.5	1716.8	1758.8	1800.7	1844.2	1892.2	1933.4	1973.1	2004.4	2017.3
1718.4	12.5°	1732.1	1755.0	1809.9	1867.8	1928.1	1994.4	2047.8	2096.7	2135.5	2153.1
1758.8	15°	1775.6	1805.3	1875.5	1953.3	2041.7	2134.0	2201.9	2256.1	2299.5	2320.9
1800.7	17.5°	1822.8	1862.5	1951.0	2068.4	2195.0	2316.3	2395.6	2435.3	2480.3	2500.9
1839.6	20°	1868.6	1917.4	2044.0	2214.9	2383.4	2512.3	2576.4	2587.1	2590.1	2592.4
1876.2	22.5°	1915.9	1981.5	2160.7	2399.4	2580.2	2669.4	2678.6	2632.8	2568.8	2539.0
1912.1	25°	1967.8	2054.7	2313.3	2603.1	2749.5	2760.2	2690.0	2578.7	2457.4	2401.7
1941.1	27.5°	2018.1	2139.4	2496.3	2797.6	2871.5	2777.7	2626.7	2468.8	2322.4	2263.7
1961.7	30°	2068.4	2236.2	2698.4	2967.6	2927.2	2734.3	2526.8	2350.6	2203.4	2141.6
1980.0	32.5°	2119.5	2349.1	2931.0	3090.4	2917.3	2642.0	2402.5	2217.9	2088.3	2023.4
1996.0	35°	2177.5	2487.9	3151.5	3157.6	2851.0	2506.2	2238.5	2059.3	1946.4	1894.5
2015.0	37.5°	2253.0	2664.1	3345.9	3174.3	2735.0	2307.2	2034.9	1871.7	1778.6	1755.0
2043.3	40°	2346.8	2876.1	3494.7	3147.6	2563.4	2065.4	1812.2	1681.7	1629.1	1634.5
2081.4	42.5°	2468.8	3113.3	3599.2	3079.0	2324.7	1816.0	1616.9	1559.0	1584.1	1605.5
2138.6	45°	2627.5	3359.7	3664.0	2962.3	2054.7	1604.7	1501.7	1515.5	1534.5	1536.8
2230.9	47.5°	2830.4	3609.1	3706.7	2786.1	1779.4	1456.0	1428.5	1431.6	1427.8	1411.7
2368.9	50°	3083.6	3851.6	3744.8	2552.7	1545.2	1362.9	1326.3	1315.7	1263.0	1211.2
2552.7	52.5°	3371.9	4074.3	3760.9	2262.9	1362.9	1285.1	1225.7	1158.5	1060.1	1044.1
2783.8	55°	3692.2	4280.2	3719.7	1906.7	1209.6	1185.2	1095.2	1014.4	1003.7	990.0
3088.2	57.5°	4075.1	4502.2	3635.8	1509.4	1052.5	1068.5	980.8	990.0	970.9	949.6
3479.4	60°	4493.8	4731.8	3488.6	1147.1	890.1	922.9	951.1	950.3	945.0	927.4
3892.0	62.5°	4870.6	4882.8	3198.7	878.6	747.4	810.0	887.0	886.3	881.7	871.8
4323.0	65°	5094.8	4859.9	2715.2	691.8	630.0	716.9	800.1	806.2	806.9	806.2
4647.1	67.5°	5055.1	4592.2	2051.7	550.7	533.1	622.4	713.9	722.3	728.4	729.9
4688.3	70°	4606.7	4004.2	1337.8	439.3	446.9	539.2	632.3	640.7	646.0	652.1
4068.2	72.5°	3590.8	2944.0	765.7	355.4	371.4	467.5	551.4	561.3	564.4	575.8
2831.1	75°	2188.2	1731.3	413.4	279.9	305.1	399.7	471.3	482.8	488.1	501.9
1390.4	77.5°	1040.3	749.7	235.7	218.1	245.6	326.4	398.1	411.1	396.6	404.2
383.6	80°	351.6	278.4	148.7	166.3	187.6	254.7	318.8	331.8	301.3	299.7
127.4	82.5°	122.8	112.9	94.6	110.6	121.3	182.3	241.0	257.8	224.2	223.5
57.2	85°	48.0	45.8	52.6	60.3	72.5	112.1	158.6	167.0	138.0	111.4
16.8	87.5°	9.9	10.7	13.0	13.7	22.1	38.9	57.2	70.2	55.7	47.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
1644.4
1706.2
1796.1
1899.9
2018.1
2153.1
2319.4
2500.1
2598.5
2547.4
2410.1
2270.5
2148.5
2031.8
1906.0
1771.7
1652.8
1625.3
1552.1
1424.0
1218.0
1049.5
992.3
945.7
921.3
867.9
806.2
731.4
655.2
580.4
503.4
398.1
296.7
212.8
109.8
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